

**BEST AVAILABLE COPY****INTERNATIONAL SEARCH REPORT**

International application No.

PCT/SE 2005/000098

**A. CLASSIFICATION OF SUBJECT MATTER****IPC7: H01J 37/26, B81B 3/00, G01L 1/00, G01L 1/14**

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

**IPC7: H01J, B81B, G01L**

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

**SE,DK,FI,NO classes as above**

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**EPO-INTERNAL, WPI DATA, PAJ****C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 9612930 A1 (HYSITRON INC), 2 May 1996 (02.05.1996), the whole document --	1-11
X	US 5840597-A (HARTAUER, S), 24 November 1998 (24.11.1998), column 3, line 56 - column 4, line 29, figures 1,5 --	1-9
Y	--	10-11
Y	WO 03043051 A1 (NANOFACORY INSTRUMENTS AB), 22 May 2003 (22.05.2003), the whole document --	10-11
A	--	1-9

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

28 June 2005

Date of mailing of the international search report

01-07-2005

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## **INTERNATIONAL SEARCH REPORT**

**International application No.**

PCT/SE 2005/000098

**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
Y	WO 0163204 A1 (NANOFACTORY INSTRUMENTS AB),		10-11
A	30 August 2001 (30.08.2001), the whole document		1-9

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Information on patent family members

28/05/2005

International application No.

PCT/SE 2005/000098

WO	9612930	A1	02/05/1996	AU	4009595	A	15/05/1996
				DE	69527548	D,T	06/03/2003
				EP	0805946	A,B	12/11/1997
				JP	10511176	T	27/10/1998
				US	5553486	A	10/09/1996
				US	5576483	A	19/11/1996
				US	5661235	A	26/08/1997
				US	5869751	A	09/02/1999
				US	6026677	A	22/02/2000
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US	5840597	A	24/11/1998	DE	4309206	C	15/09/1994
				US	5554875	A	10/09/1996
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WO	03043051	A1	22/05/2003	EP	1454335	A	08/09/2004
				JP	2005509864	T	14/04/2005
				SE	0103781	D	00/00/0000
				US	20050103996	A	19/05/2005
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WO	0163204	A1	30/08/2001	AU	772657	B	06/05/2004
				AU	3431801	A	03/09/2001
				AU	4156900	A	14/11/2000
				CA	2369647	A	19/10/2000
				EP	1169878	A	09/01/2002
				EP	1257780	A	20/11/2002
				JP	2002542687	T	10/12/2002
				JP	2003524287	T	12/08/2003
				SE	0000555	D	00/00/0000
				US	6864483	B	08/03/2005
				US	20030116710	A	26/06/2003
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## INTERNATIONAL SEARCH REPORT

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### Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  
[Redacted]
2.  Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:  
[Redacted]
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

The following separate inventions were identified:

I: Claims 1-11

II: Claims 12-13

III: Claims 14-15

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1 - 11

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.